

RAW SEQUENCE LISTING

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Application Serial Number: 10/S72, 189 A
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RAW SEQUENCE LISTING

DATE: 08/25/2006

PATENT APPLICATION: US/10/572,189A

TIME: 12:14:58

Input Set : A:\Sequence Listing (13111-00033-US).txt
 Output Set: N:\CRF4\08252006\J572189A.raw

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3 <110> APPLICANT: Ostermann, Kai
4      Rodel, Gerhard
6 <120> TITLE OF INVENTION: SECRETION OF PROTEINS FROM YEASTS
8 <130> FILE REFERENCE: 13111-00033-US
10 <140> CURRENT APPLICATION NUMBER: US 10/572,189A
11 <141> CURRENT FILING DATE: 2006-03-15
14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/010346
15 <151> PRIOR FILING DATE: 2004-09-15
17 <150> PRIOR APPLICATION NUMBER: DE 103 42 794.5
18 <151> PRIOR FILING DATE: 2003-09-16
20 <160> NUMBER OF SEQ ID NOS: 56
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 171
26 <212> TYPE: DNA
27 <213> ORGANISM: Schizosaccharomyces pombe
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30 <221> NAME/KEY: CDS
31 <222> LOCATION: (1)..(171)
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36 1          5           10          15
37 tca cct att cca gtt gcc gat cct ggt gtg gtt tca gtt agc aag tca      96
38 Ser Pro Ile Pro Val Ala Asp Pro Gly Val Val Ser Val Ser Lys Ser
39          20          25          30
40 tat gct gat ttc ctt cgt gtt tac caa agt tgg aac act ttt gct aat    144
41 Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe Ala Asn
42          35          40          45
43 cct gat aga ccc aac ttg aaa aag cgc
44 Pro Asp Arg Pro Asn Leu Lys Lys Arg
45          50          55
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48 <211> LENGTH: 57
49 <212> TYPE: PRT
50 <213> ORGANISM: Schizosaccharomyces pombe
52 <400> SEQUENCE: 2
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54 1          5           10          15
55 Ser Pro Ile Pro Val Ala Asp Pro Gly Val Val Ser Val Ser Lys Ser
56          20          25          30
57 Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe Ala Asn
58          35          40          45

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65 <213> ORGANISM: Schizosaccharomyces pombe
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69 <222> LOCATION: (1)..(60)
71 <220> FEATURE:
72 <221> NAME/KEY: sig_peptide
73 <222> LOCATION: (1)..(60)
75 <400> SEQUENCE: 3
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79 tca cct att cca
80 Ser Pro Ile Pro
81           20
83 <210> SEQ ID NO: 4
84 <211> LENGTH: 20
85 <212> TYPE: PRT
86 <213> ORGANISM: Schizosaccharomyces pombe
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90 1           5           10           15
91 Ser Pro Ile Pro
92           20
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95 <211> LENGTH: 81
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101 <222> LOCATION: (1)..(81)
103 <400> SEQUENCE: 5
104 aag tca tat gct gat ttc ctt cgt gtt tac caa agt tgg aac act ttt      48
105 Lys Ser Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe
106 1           5           10           15
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108 Ala Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg
109           20           25
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 27
113 <212> TYPE: PRT
114 <213> ORGANISM: Schizosaccharomyces pombe
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131 <220> FEATURE:
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133 <222> LOCATION: (1)..(60)
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138 1          5           10          15
139 tca cct att cca gtt gcc gat cct ggt gtg                         78
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141          20           25
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144 <211> LENGTH: 26
145 <212> TYPE: PRT
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152          20           25
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155 <211> LENGTH: 606
156 <212> TYPE: DNA
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161 <222> LOCATION: (1)..(606)
163 <400> SEQUENCE: 9
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165 Met Lys Ile Thr Ala Val Ile Ala Leu Leu Phe Ser Leu Ala Ala Ala
166 1          5           10          15
167 tca cct att cca gtt gcc gat cct ggt gtg gtt tca gtt agc aag tca      96
168 Ser Pro Ile Pro Val Ala Asp Pro Gly Val Val Ser Val Ser Lys Ser
169          20           25           30
170 tat gct gat ttc ctt cgt gtt tac caa agt tgg aac act ttt gct aat    144
171 Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe Ala Asn
172          35           40           45
173 cct gat aga ccc aac ttg aaa aag cgc gaa ttc gaa gct gct ccc gca    192
174 Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala Pro Ala
175          50           55           60
176 aaa act tat gct gat ttc ctt cgt gct tat caa agt tgg aac act ttt    240

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177 Lys Thr Tyr Ala Asp Phe Leu Arg Ala Tyr Gln Ser Trp Asn Thr Phe			
178 65 70 75 80			
179 gtt aat cct gac aga ccc aat ttg aaa aag cgt gag ttt gaa gct gcc			288
180 Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala			
181 85 90 95			
182 cca gag aag agt tat gct gat ttc ctt cgt gct tac cat agt tgg aac			336
183 Pro Glu Lys Ser Tyr Ala Asp Phe Leu Arg Ala Tyr His Ser Trp Asn			
184 100 105 110			
185 act ttt gtt aat cct gac aga ccc aac ttg aaa aag cgc gaa ttc gaa			384
186 Thr Phe Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu			
187 115 120 125			
188 gct gct ccc gca aaa act tat gct gat ttc ctt cgt gct tac caa agt			432
189 Ala Ala Pro Ala Lys Thr Tyr Ala Asp Phe Leu Arg Ala Tyr Gln Ser			
190 130 135 140			
191 tgg aac act ttt gtt aat cct gac aga ccc aac ttg aaa aag cgc act			480
192 Trp Asn Thr Phe Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Thr			
193 145 150 155 160			
194 gaa gaa gat gaa gag aat gag gaa gag gat gaa gaa tac tat cgc ttt			528
195 Glu Glu Asp Glu Glu Asn Glu Glu Asp Glu Glu Tyr Tyr Arg Phe			
196 165 170 175			
197 ctt cag ttt tat atc atg act gtc cca gag aat tcc act att aca gat			576
198 Leu Gln Phe Tyr Ile Met Thr Val Pro Glu Asn Ser Thr Ile Thr Asp			
200 180 185 190			
201 gtc aat att act gcc aaa ttt gag agc taa			606
202 Val Asn Ile Thr Ala Lys Phe Glu Ser			
203 195 200			
205 <210> SEQ ID NO: 10			
206 <211> LENGTH: 201			
207 <212> TYPE: PRT			
208 <213> ORGANISM: Schizosaccharomyces pombe			
210 <400> SEQUENCE: 10			
211 Met Lys Ile Thr Ala Val Ile Ala Leu Leu Phe Ser Leu Ala Ala Ala			
212 1 5 10 15			
213 Ser Pro Ile Pro Val Ala Asp Pro Gly Val Val Ser Val Ser Lys Ser			
214 20 25 30			
215 Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe Ala Asn			
216 35 40 45			
217 Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala Pro Ala			
218 50 55 60			
219 Lys Thr Tyr Ala Asp Phe Leu Arg Ala Tyr Gln Ser Trp Asn Thr Phe			
220 65 70 75 80			
221 Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala			
222 85 90 95			
223 Pro Glu Lys Ser Tyr Ala Asp Phe Leu Arg Ala Tyr His Ser Trp Asn			
224 100 105 110			
225 Thr Phe Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu			
226 115 120 125			
227 Ala Ala Pro Ala Lys Thr Tyr Ala Asp Phe Leu Arg Ala Tyr Gln Ser			
228 130 135 140			

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229 Trp Asn Thr Phe Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Thr
230 145 150 155 160
231 Glu Glu Asp Glu Glu Asn Glu Glu Asp Glu Glu Tyr Tyr Arg Phe
232 165 170 175
233 Leu Gln Phe Tyr Ile Met Thr Val Pro Glu Asn Ser Thr Ile Thr Asp
234 180 185 190
235 Val Asn Ile Thr Ala Lys Phe Glu Ser
236 195 200
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239 <211> LENGTH: 156
240 <212> TYPE: DNA
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243 <220> FEATURE:
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247 <221> NAME/KEY: CDS
248 <222> LOCATION: (1)..(156)
250 <400> SEQUENCE: 11
251 ctg gtt ccg cgt gga tc: aac gaa ggt cgt ggc ggc cgc atc ttt tac 48.
252 Leu Val Pro Arg Gly Ser Ile Glu Gly Arg Gly Arg Ile Phe Tyr
253 1 5 10 15
254 cca tac gat gtt cct gac tat gcg ggc tat ccc tat gac gtc ccg gac 96
255 Pro Tyr Asp Val Pro Asp Tyr Ala Gly Tyr Pro Tyr Asp Val Pro Asp
256 20 25 30
257 tat gca gga tcc tat cca tat gac gtt cca gat tac gct gct cag tgc 144
258 Tyr Ala Gly Ser Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ala Gln Cys
259 35 40 45
260 ggc cgc taa tag 156
261 Gly Arg
262 50
264 <210> SEQ ID NO: 12
265 <211> LENGTH: 50
266 <212> TYPE: PRT
267 <213> ORGANISM: Unknown
269 <220> FEATURE:
270 <223> OTHER INFORMATION: HA-tag
272 <400> SEQUENCE: 12
273 Leu Val Pro Arg Gly Ser Ile Glu Gly Arg Gly Arg Ile Phe Tyr
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275 Pro Tyr Asp Val Pro Asp Tyr Ala Gly Tyr Pro Tyr Asp Val Pro Asp
276 20 25 30
277 Tyr Ala Gly Ser Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ala Gln Cys
278 35 40 45
279 Gly Arg
280 50
282 <210> SEQ ID NO: 13
283 <211> LENGTH: 354
284 <212> TYPE: DNA
285 <213> ORGANISM: Aspergillus nidulans

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/572,189A

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